ELSEVIER

Neuroscience Letters 280 (2000) 232–234

Neuroscience Letters

www.elsevier.com/locate/neulet

Contents to Volume 280

Volume 280, no. 1

Guidelines for the submission of manuscripts v

Functional alterations in the olfactory bulb of the *staggerer* mutant mouse
V. Michel, Z. Monnier, J.-M. Guastavino, A. Propper, F. Math (France) 1

Loss of tyrosine hydroxylase immunoreactivity in dendrites is a sensitive index of kainic acid-induced damage in rat substantia nigra neurons in vivo
P.T. Bywood, S.M. Johnson (Australia) 5

Glucose metabolism in the rat frontal cortex recovered without the recovery of choline acetyltransferase activity after lesioning of the nucleus basalis magnocellularis
Y. Katsumi, T. Hayashi, C. Oyanagi, Y. Nagahama, H. Yamauchi, S. Ono, H. Fukuyama, H. Shibasaki (Japan) 9

Two distinctive antinociceptive systems in rats with pathological pain
J. Mao, D.D. Price, J. Lu, L. Keniston, D.J. Mayer (USA) 13

The intra-spine electric force can drive vesicles for fusion: a theoretical model for long-term potentiation
L. Beňušková (Slovakia) 17

Developmental expression of excitatory amino acid transporter 5: a photoreceptor and bipolar cell glutamate transporter in rat retina
D.V. Pow, N.L. Barnett (Australia) 21

Dynamic mediolateral activation of the pyramidal cell population in human somatosensory 3b area can be visualized by magnetic recordings
I. Hashimoto, T. Kimura, K. Sakuma, Y. Iguchi, Y. Saito, O. Terasaki, T. Fukushima (Japan) 25

Genetic polymorphisms of human melatonin 1b receptor gene in circadian rhythm sleep disorders and controls
T. Ebisawa, M. Uchiyama, N. Kajimura, Y. Kamei, K. Shibui, K. Kim, Y. Kudo, T. Iwase, M. Sugishita, T. Jodoi, M. Ikeda, Y. Ozeki, T. Watanabe, M. Sekimoto, M. Katoh, N. Yamada, R. Toyoshima, M. Okawa, K. Takahashi, T. Yamauchi (Japan) 29

Artificial lighting conditions and melatonin alter motor performance in adult rats
S.G. Poulos, C.V. Borlongan (USA) 33

Autoradiographic distribution of peripheral benzodiazepine receptors in the retina of the albino rabbit, *Lepus cunicula*
G. Giannaccini, L. Betti, C. Martini, M. Bistocchi, G. Mascia, M. Piccolino, A. Lucacchini (Italy) 37

Exploring a critical parameter of timing in the mouse cerebellar microcircuitry: the parallel fiber diameter
F. Sultan (Germany) 41

Micturition and defensive behaviors are controlled by distinct neural networks within the dorsal periaqueductal gray and deep gray layer of the superior colliculus of the rat
L.C. Vargas, T. de Azevedo Marques, L.C. Schenberg (Brazil) 45

Muscle sympathetic nerve activity during handgrip and post-handgrip muscle ischemia after exposure to simulated microgravity in humans
A. Kamiya, S. Iwase, D. Michikamia, Q. Fua, T. Mano (Japan) 49

Effects of repeated phencyclidine treatment on serotonin transporter in rat brain
T. Hori, S. Abe, A. Baba, T. Suzuki, H. Shiraishi (Japan) 53

Activity-dependent enhancement of miniature excitatory postsynaptic current amplitude and its modulation by protein kinase C in cultured rat sympathetic neurons
C. Liu, T. Shirasaki, S. Tanaka, K. Kuba (Japan) 57

Reduced activation of midline frontal areas in human elderly subjects: a contingent negative variation study
G. Dirnberger, W. Lalouschek, G. Lindinger, A. Egkher, L. Deecke, W. Lang (Austria) 61

No influence of adrenergic receptor polymorphisms on schizophrenia and antipsychotic response
A.A. Bolonna, M.J. Arranz, J. Munro, S. Osborne, M. Petouni, M. Martinez, R.W. Kerwin (UK) 65

A magnetoencephalographic study of brain activity related to recognition memory in healthy young human subjects
I. Tendolkar, M. Rugg, J. Fell, H. Vogt, M. Scholz, H. Hinrichs, H.-J. Heinze (Germany, UK) 69

Increase of fragmented DNA transport in apical dendrites of gerbil CA1 pyramidal neurons following transient forebrain ischemia by mild hypothermia
A. Hara, M. Niwa, T. Iwai, H. Yano, Y. Bunai, T. Uematsu, N. Yoshimi, H. Mori (Japan) 73

Volume 280, no. 2

Hypothyroidism prolongs mitotic activity in the post-natal mouse brain
N. Hadj-Sahraoui, I. Seugnet, M.T. Ghorbel, B. Demeneix (France) 79
Expression of an array of photoreceptor genes in chick embryonic retinal pigment epithelium cell cultures under the induction of *neuroD*
R.-T. Yan, S.-Z. Wang (USA) 83
Human auditory-cortex mechanisms of preattentive sound discrimination
J.D. Kropotov, K. Alho, R. Näätänen, V.A. Ponomarev, O.V. Kropotova, A.D. Anichkov, V.B. Nechaev (Russia, Finland) 87
Effects of coupled perirhinal cortex and medial septal area, fimbria-fornix, entorhinal cortex tetrodotoxin inactivations on passive avoidance consolidation in the rat
E. Baldi, C. Ambrogi Lorenzini, B. Sacchetti, G. Tassoni, C. Bucherelli (Italy) 91
Differential expression patterns of the basic Helix-Loop-Helix transcription factors during aging of the murine brain
M. Uittenbogaard, A. Chiaramello (USA) 95
Differential expression of small heat shock protein 27 in the rat hippocampus and septum after fimbria-fornix lesion
E. Anguelova, T. Smirnova (France) 99
Differences between cerebral and cerebellar autoregulation during progressive hypotension in rats
S. Merzeau, M.-P. Preckel, B. Fromy. G. Lefthériotis, J.L. Saumet (France) 103
Inhibition of K^+-evoked glutamate release from rat neocortical and hippocampal slices by gabapentin
D.J. Dooley, C.A. Mieske, S.A. Borosky (USA) 107
Connections between retrotrapezoid nucleus and nucleus tractus solitarii in cat
L. Bodineau, A. Frugière, D. Marlot, F. Wallois (France) 111
Serotonin-immunoreactive axons in the cell column of sympathetic preganglionic neurons in the spinal cord of the filefish *Stephanolepis cirrhifer*
K. Funakoshi, T. Kadota, Y. Atobe, M. Nakano, R.C. Goris, R. Kishida (Japan) 115
Three-year follow-up of cerebrospinal fluid tau, β-amyloid 42 and 40 concentrations in Alzheimer's disease
T. Tapiola, T. Pirttilä, M. Mikkonen, P.D. Mehta, I. Alafuzoff, K. Koivisto, H. Soininen (Finland, USA) 119
Transmitter profile and spinal inputs of pelvic ganglion cells projecting with preganglionic axons along the hypogastric and pelvic nerves of the male rat
M.E. Kepper, J.R. Keast (Australia) 123
Gating of segmental and transcortical reflexes to human hand muscles depends on the mode of innervation
S. Wagner, A. von Waldenfels, H.-M. Meinck (Germany) 127
Heparin specifically inhibits binding of apolipoprotein E to amyloid β-peptide
V.V. Shuvaev, G. Siest (France) 131
Modulation of [^{35}S]GTPγS binding to Chinese hamster ovary cell membranes by $D_{2(short)}$ dopamine receptors
A. Terasmaa, U.-B. Finnman, C. Owman, S. Ferré, K. Fuxe, A. Rinken (Estonia, Sweden) 135
Expression of interleukin-6 in human dorsal root ganglion cells
K. Nordlind, L. Eriksson, Å. Seiger, M. Bakhiet (Sweden) 139
Gate for photic resetting of intrinsic rhythmicity of the rat suprachiasmatic nucleus under a long photoperiod
D. Jelínková, H. Illnerová, A. Sumová (Czech Republic) 143
Immunohistochemical detection of vascular endothelial growth factor (VEGF) and VEGF-receptors Flt-1 and KDR/Flk-1 in the vestibule of guinea pigs
A. Hess, W. Bloch, C. Wittekindt, J. Siodladczek, K. Addicks, O. Michel (France) 147
Subunit-dependent inhibition of recombinant rodent *N*-methyl-D-aspartate receptors by a HIV-1 glycoprotein 120 derived peptide
B. Wittekindt, H. Betz, B. Laube (Germany) 151

Volume 280, no. 3

Dihydropyridine-sensitive calcium currents in bipolar cells of salamander retina are inhibited by reductions in extracellular chloride
W.B. Thoreson (USA) 155
Partial cDNAs encoding G-protein α subunits in the rat vestibular periphery
P.A. Wackym, M. Troyanovskaya, P. Popper (USA) 159
Chronic methylphenidate treatment enhances water maze performance following traumatic brain injury in rats

A.E. Kline, H.Q. Yan, J. Bao, D.W. Marion, C.E. Dixon (USA) 163
Modulation of the neuronal circuitry subserving working memory in healthy human subjects by repetitive transcranial magnetic stimulation
F.M. Mottaghy, B.J. Krause, L.J. Kemna, R. Töpper, L. Tellmann, M. Beu, A. Pascual-Leone, H.-W. Müller-Gärtner (Germany, USA) 167
Differential effects of L-trytophan and buspirone on biogenic amine contents and metabolism in *Lurcher* mice cerebellum
T.A. Reader, A.R. Ase, N. Le Marec, R. Lalonde (Canada) 171
Effect of intrathecal baclofen on gait control in human hereditary spastic paraparesis
B. Dan, E. Bouillot, A. Bengoetxea, G. Cheron (Belgium) 175
Dynamic characteristics and adaptability of reflex eye movements of Fyn-kinase-deficient mice
H. Kitazawa, A. Katoh, T. Yagi, S. Nagao (Japan) 179
Effects of acute systemic 3-nitropropionic acid administration on rat activity and acoustic startle
R.L. Seaman (USA) 183
5-Hydroxytryptamine-induced locomotor rhythm in the neonatal mouse spinal cord in vitro
H. Nishimaru, H. Takizawa, N. Kudo (Japan) 187
γ-Aminobutyric acid infusion in substantia nigra pars reticulata in rats inhibits ascorbate release in ipsilateral striatum
J.C. Christensen, Z. Wang, G.V. Rebec (USA) 191
Laterality effects in selective attention to threat after repetitive transcranial magnetic stimulation at the prefrontal cortex in female subjects
A.A.L. d'Alfonso, J. van Honk, E. Hermans, A. Postma, E.H.F. de Haan (The Netherlands) 195
Diurnal preference, sleep habits, circadian sleep propensity and melatonin rhythm in healthy human subjects
X. Liu, M. Uchiyama, K. Shibui, K. Kim, Y. Kudo, H. Tagaya, H. Suzuki, M. Okawa (Japan) 199
Inhibition by neuropeptide Y of fentanyl-induced muscular rigidity at the locus coeruleus in rats
S.-C. Lai, P.-W. Lui (ROC) 203
Polysialylated neural cell adhesion molecule modulates photic signaling in the mouse suprachiasmatic nucleus
J.D. Glass, H. Shen, L. Fedorkova, L. Chen, H. Tomasiewicz, M. Watanabe (USA) 207
Repeated administration of systemic gabapentin alleviates allodynia-like behaviors in spinally injured rats
J.-X. Hao, X.-J. Xu, L. Urban, Z. Wiesenfeld-Hallin (Sweden, UK) 211
Gender-specific association of the angiotensin converting enzyme gene with Alzheimer's disease
F. Crawford, L. Abdullah, J. Schinka, Z. Suo, M. Gold, R. Duara, M. Mullan (USA) 215
Differential neurotrophin levels in cerebrospinal fluid and their changes during development in newborn rat
Y.X. Xia, T. Ikeda, X.Y. Xia, T. Ikenoue (Japan) 220
Cloning of serotonin 5-HT_1 receptor subtypes from the chimpanzee, gorilla and Rhesus monkey and their agonist-induced guanosine 5′γ^{35}S triphosphate binding
G.L. Alberts, J.F. Pregenzer, W.B. Im, J.L. Slightom (USA) 223

Author Index to Volume 280 228
Contents to Volume 280 232